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Part Number:

0457190001

Status:

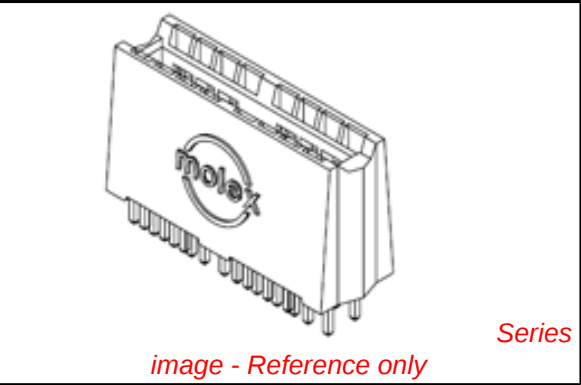
Active

Overview:

edge_card_connectors

Description:

12.90mm (.508") Pitch EXTreme PowerEdge™, Connector, 2 Segments (4 Total Contacts), 1.25 (.049") Thick PC Board, Mates to a 1.57mm (.062") Thick Card Edge or Bus Bar Tab



Documents:	
3D Model	Product Specification PS-45719-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
TUV	R72090228
General	
Product Family	Edge Card Connectors
Series	45719
Component Type	Edgecard to PCB
Overview	edge_card_connectors
Product Name	Bus Bar Socket, EXTreme PowerEdge™
Physical	
Circuits (Loaded)	4
Circuits (maximum)	4
Circuits Detail	All Power
Color - Resin	Black
Durability (mating cycles max)	200
Entry Angle	Vertical (Top Entry)
Flammability	94V-0
Keying to Mating Part	N/A
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
PC Tail Length (in)	0.177 In
PC Tail Length (mm)	4.50 mm
PCB Thickness Recommended (in)	0.125 In
PCB Thickness Recommended (mm)	3.20 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.508 In
Pitch - Mating Interface (mm)	12.90 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	150
Plating min: Termination (µm)	3.75
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	40A
Voltage - Maximum	250V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

45719Series

Mates With

1.58mm (.062") double sided card edge or bus bar tab

Process Temperature max. C250

Material Info

Reference - Drawing Numbers

Packaging SpecificationPK-45714-001

Product SpecificationPS-45719-001

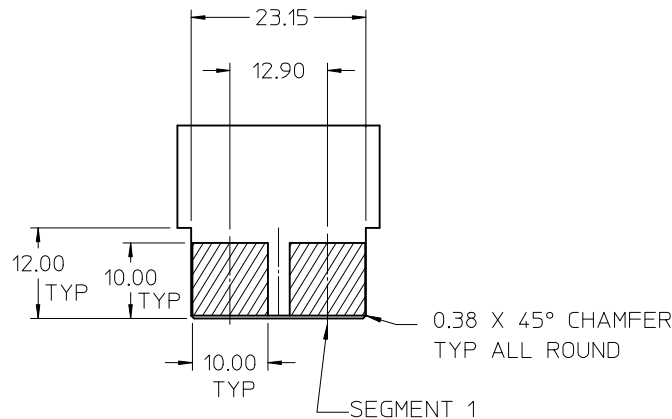
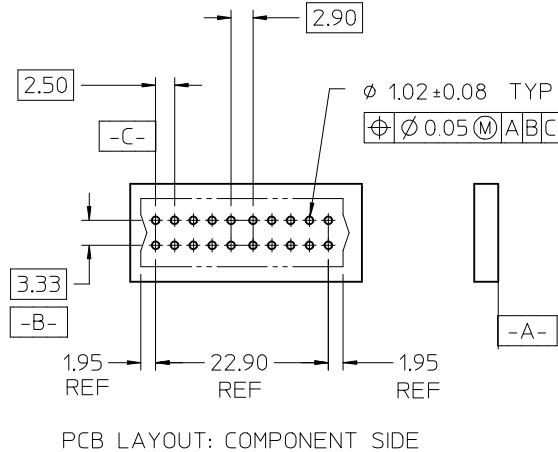
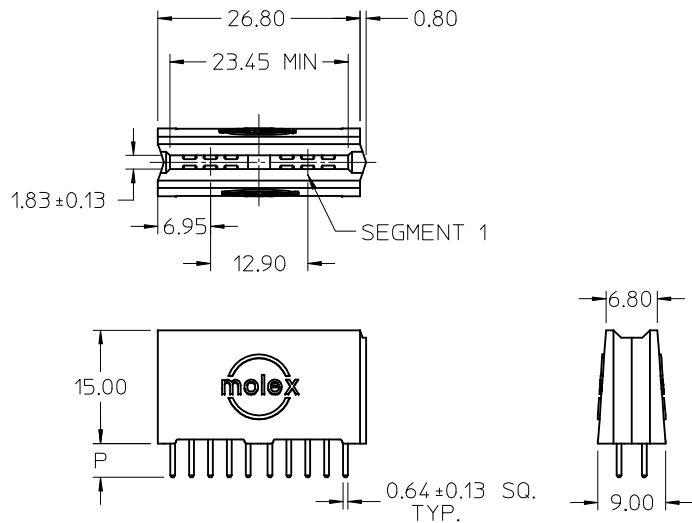
Sales DrawingSD-45719-001

This document was generated on 06/04/2010

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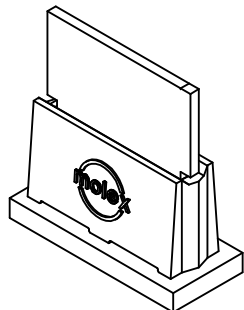
NOTES:

1. HOUSING MATL: LCP, UL94V-0, COLOR BLACK
TERMINAL MATL: COPPER ALLOY
2. FINISH: SELECT GOLD: 30 M.I. MIN IN CONTACT AREA
SELECT TIN: 150 M.I. MIN IN SOLDER AREA
OVERALL NICKEL UNDERPLATE.
3. PRODUCT SPECIFICATION: PS-45719-001.
4. PACKAGING SPECIFICATION: PK-45714-001.
5. PCB THICKNESS: SEE CHART
6. EDGE CARD THICKNESS: 1.57 ± 0.15
7. DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL
ABOUT THOSE CENTERLINES WITHIN HALF TOTAL TOLERANCE.
8. VOIDED SEGMENTS DO NOT HAVE TERMINALS IN THE TOP OR BOTTOM ROW



RECOMMENDED EDGE CARD LAYOUT
TOLERANCE: ± 0.05

MATERIAL NUMBER	VOIDED SEGMENT	P	PCB THK
45719-0001	NONE	4.50	3.18
45719-2001	1		
45719-2002	2	3.63	2.36
45719-0004	NONE		
45719-2003	1	2.92	1.57
45719-2004	2		
45719-0007	NONE	2.92	1.57
45719-2005	1		
45719-2006	2		



ADD PIN DIM & TOL	DESCRIPTION
EC NO: UCP2009-2476	2009/04/07
DRWN: JSCHAFER	2009/04/07
CHKD: APATEL	2009/04/20
APPR: APATEL	2009/04/20
E1	REV

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.25	$\pm$ ---
1 PLACE	± 0.25	$\pm$ ---
ANGULAR $\pm 1/2^\circ$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
MARGULIS	2003/11/11
CHECKED BY	DATE
MARGULIS	2003/11/11
APPROVED BY	DATE
MARGULIS	2003/11/11
SIZE	
A	

SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE		
POWER EDGE ASSEMBLY POWER VERTICAL SOLDER TAIL		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-45719-001		
AINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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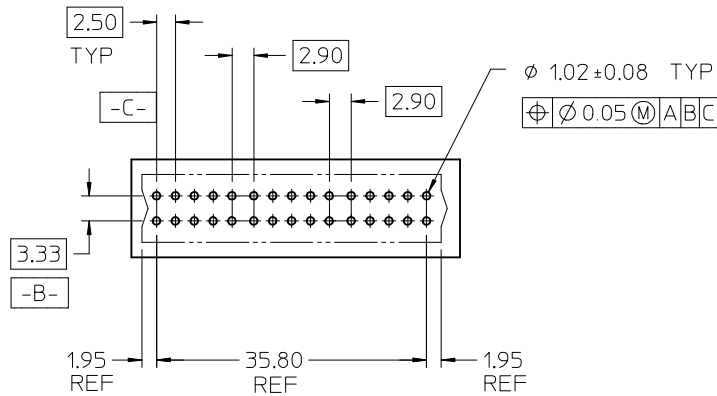
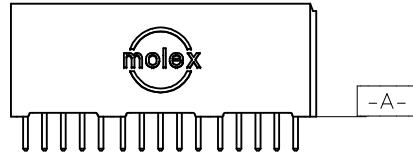
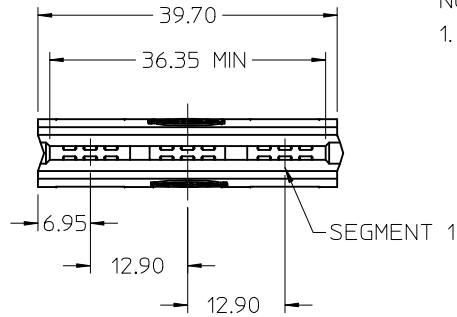
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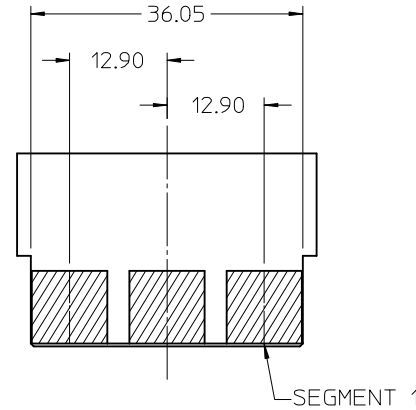
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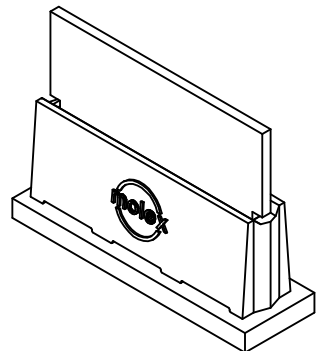
1. FOR ALL OTHER DIMENSIONS AND NOTES SEE SHEET 1.



PCB LAYOUT: COMPONENT SIDE

RECOMMENDED EDGE CARD LAYOUT
EDGE CARD TOLERANCE: ±0.05

MATERIAL NUMBER	VOIDED SEGMENT	P	PCB THK
45719-0002	NONE	4.50	3.18
45719-3001	1		
45719-3002	2		
45719-3003	3		
45719-3004	1,2		
45719-3005	1,3		
45719-3006	2,3		
45719-0005	NONE	3.63	2.36
45719-3007	1		
45719-3008	2		
45719-3009	3		
45719-3010	1,2		
45719-3011	1,3		
45719-3012	2,3		
45719-0008	NONE	2.92	1.57
45719-3013	1		
45719-3014	2		
45719-3015	3		
45719-3016	1,2		
45719-3017	1,3		
45719-3018	2,3		



EC NO: UCP2009-2476	2009/04/07	DESCRIPTION
DRWN: JSCHAFER	2009/04/07	
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E1	REV	

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONSDIMENSION STYLE
MM ONLY

DRAWN BY	DATE
MARGULIS	2003/11/11
CHECKED BY	DATE
MARGULIS	2003/11/11
APPROVED BY	DATE
MARGULIS	2003/11/11

SCALE
1:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTIONPOWER EDGE ASSEMBLY
POWER VERTICAL
SOLDER TAIL

MOLEX INCORPORATED

DOCUMENT NO.
SD-45719-001SHEET NO.
2SIZE
ATHIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
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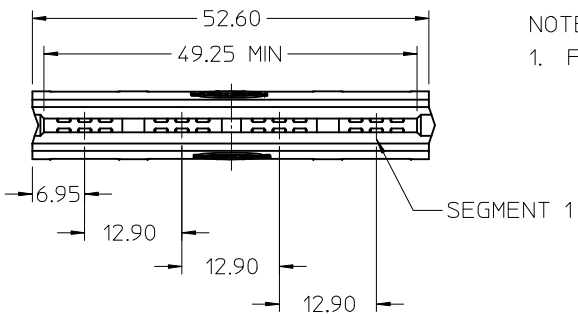
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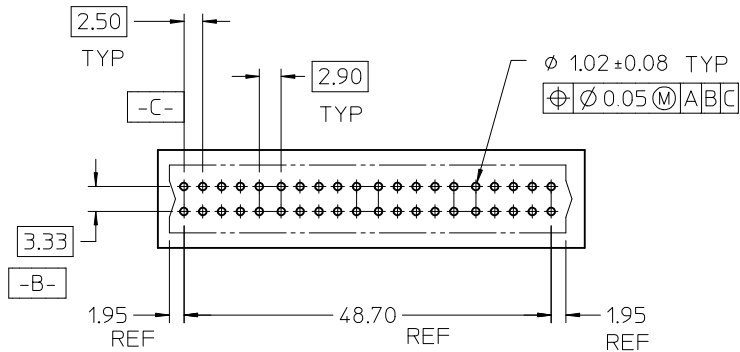
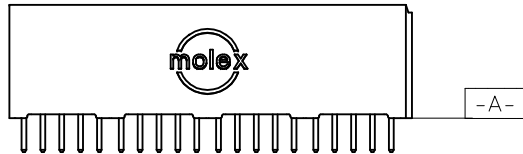
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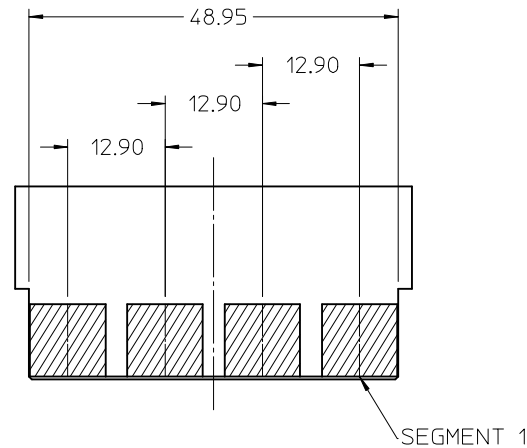


NOTES:

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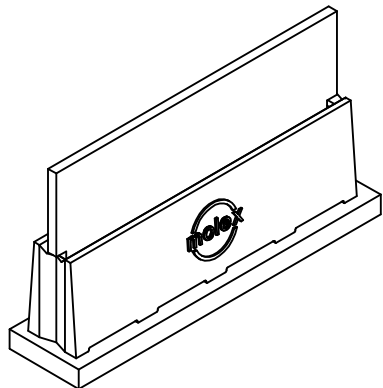
PCB LAYOUT: COMPONENT SIDE



RECOMMENDED EDGE CARD LAYOUT

EDGE CARD TOLERANCE: ±0.05

MATERIAL NUMBER	VOIDED SEGMENT	P	PCB THK
45719-0003	NONE	4.50	3.18
45719-4001	1		
45719-4002	2		
45719-4003	3		
45719-4004	4		
45719-4005	1,2		
45719-4006	1,3		
45719-4007	1,4		
45719-4008	2,3		
45719-4009	2,4		
45719-4010	3,4		
45719-0006	NONE	3.63	2.36
45719-4011	1		
45719-4012	2		
45719-4013	3		
45719-4014	4		
45719-4015	1,2		
45719-4016	1,3		
45719-4017	1,4		
45719-4018	2,3		
45719-4019	2,4		
45719-4020	3,4	2.92	1.57
45719-0009	NONE		
45719-4021	1		
45719-4022	2		
45719-4023	3		
45719-4024	4		
45719-4025	1,2		
45719-4026	1,3		
45719-4027	1,4		
45719-4028	2,3		
45719-4029	2,4		
45719-4030	3,4		



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	mm	INCH
4 PLACES	± ---	± ---
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SCALE
1:1DESIGN UNITS
METRICTHIRD ANGLE
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molex MOLEX INCORPORATED

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Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

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